

DERWENT-ACC-NO: 1980-32065C

DERWENT-WEEK: 198018

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TITLE: Oil and blocking resistant coated paper - is  
coated or  
copolymer of  
acid  
impregnated with aq. emulsion resin contg.  
ethylene! and alpha,beta-unsatd. carboxylic

PATENT-ASSIGNEE: ASAHI DOW LTD[ASAF]

PRIORITY-DATA: 1978JP-0112349 (September 14, 1978)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP 55040835 A	March 22, 1980	N/A
000 N/A		

INT-CL (IPC): D21H001/40

ABSTRACTED-PUB-NO: JP 55040835A

BASIC-ABSTRACT:

One or both sides of base paper is coated or the base paper is  
impregnated with  
an aq. emulsion resin which contains ethylene polymer consisting of  
96-85,  
pref. 94-90 mol.% of ethylene and 4-15, pref. 6-10 mol.% of  
alpha,beta-ethylenic unsatd. carboxylic acid of which 50% of the  
carboxylic  
acid gps. may be alkyl ester.

At least 10% of the unsatd. carboxylic acids is neutralised with  
metallic ion  
and/or ammonium ion. The neutralised copolymer has a melting heat of  
2.0-10.0,  
pref. 3.0-7.0 cal./g. The resin is applied uniformly in 3-20, pref.  
4-15 g./m.2

The alpha,beta-ethylenic unsatd. carboxylic acids are e.g.  
(meth)acrylic,  
fumaric, itaconic and maleic acids. The alkyl esters are e.g. methyl

(ethyl,  
butyl) (meth)acrylate, dimethyl fumarate and monoethyl malaeate. The  
coated  
paper has excellent heat sealing property and resistance to oil and  
blocking.

TITLE-TERMS: OIL BLOCK RESISTANCE COATING PAPER COATING IMPREGNATE  
AQUEOUS

EMULSION RESIN CONTAIN COPOLYMER POLYETHYLENE ALPHA BETA  
UNSATURATED CARBOXYLIC ACID

DERWENT-CLASS: A82 F09 G02

CPI-CODES: A04-F01; A04-G08; A07-B03; A10-E21; A10-E22; A12-B03A;  
F05-A06B;  
G02-A05C;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0231 2001 2022 2430 2436 2454 2504 2570 2656 2659 2663  
2725 0241  
0411 0418 0037 1417 1424 1431 0242 0412 0419 0496 0503 0531 0538 0545  
1384 1418  
1425 1432  
Multipunch Codes: 011 034 04- 041 046 047 074 075 076 231 24- 250 27&  
323 397  
431 436 442 454 477 532 533 534 597 600 604 724 011 034 04- 041 046  
047 074 075  
077 231 24- 250 27& 323 397 431 436 442 454 477 532 533 534 597 600  
604 724 011  
034 04- 041 046 047 075 104 105 155 157 231 24- 250 27& 323 397 431  
436 442 454  
477 532 533 534 597 600 604 724 011 034 04- 041 046 047 075 104 107  
155 157 231  
24- 250 27& 323 397 431 436 442 454 477 532 533 534 597 600 604 724  
011 034 04-  
041 046 047 104 116 155 157 231 24- 250 27& 323 397 431 436 442 454  
477 532 533  
534 597 600 604 724 011 034 04- 041 046 047 051 074 075 076 077 081  
082 083 104  
105 107 116 155 157 231 24- 250 28& 323 397 431 436 442 454 477 532  
533 534 597  
600 604 724